



INTERNATIONAL INFORMATION  
SYSTEMS SECURITY  
CERTIFICATION CONSORTIUM, INC.

Lynn McNulty, CISSP  
Director, Government  
Affairs

# IT Security Certifications

- **Provide Overview of IT Security Certification Landscape**
- **Discuss the Impact of the National Strategy for Cyberspace Security on Certifications**
- **Review the Role of Certifications in Federal Agencies**

# Why the Interest in Certification

- **Job Market is a Major Driver**
  - Individuals are seeking to qualify themselves
  - Employers are looking for a competence metric
- **Information security field is continually evolving**
- **New legislation requires emphasis on information security**
- **Emphasis on outsourcing results in demands for competence metrics**

# Overview of Certification Landscape

- **Two Basic Categories of Certifications**
  - **Vendor Neutral, Broadly Focused**
  - **Product Specific**
- **Offered by a Variety of Providers**
  - **For Profit**
  - **Non-profit, Professional Groups and Associations**
- **Significant Differences in Scope and Audience**
  - **Entry Level**
  - **System Administrators**
  - **IT Security Professionals**

# Examples of IT Security Certifications

- **Recent Study Identified 40 Security Certifications**
- **Entry Level—General**
  - Security+ (CompTIA)
  - TruSecure ISCA Certified Security Associate
  - Systems Security Certified Practitioner (ISC)2
  - Global Information Assurance Certification (SANS)
- **Professional Level-General**
  - Certified Information Systems Security Professional (ISC)2
  - Certified Information Systems Security Manager (ISACA)

# Examples (Continued)

- **Product Specific--Vendor**
  - Microsoft, Cisco, etc.
  - **Product Specific--Non-Vendor**
  - SANS,
- **Other**
  - **Auditors, Forensics, Investigators**

# Developments at the National Level

- **National Cyber Security Strategy**
- **Push to Establish Accreditation Structure**
- **Non-Government Accreditation Alternatives**
  - **National Commission for Certifying Agencies**
  - **American National Standards Institute (ISO/IEC 17024)**
  - **Department of Defense Certification Framework**

# Federal Agencies and Certifications

- **DOD Information Assurance Certification Framework**
- **Department of State Pilot Retention Program**
- **Department of Veterans Affairs**
- **Others**



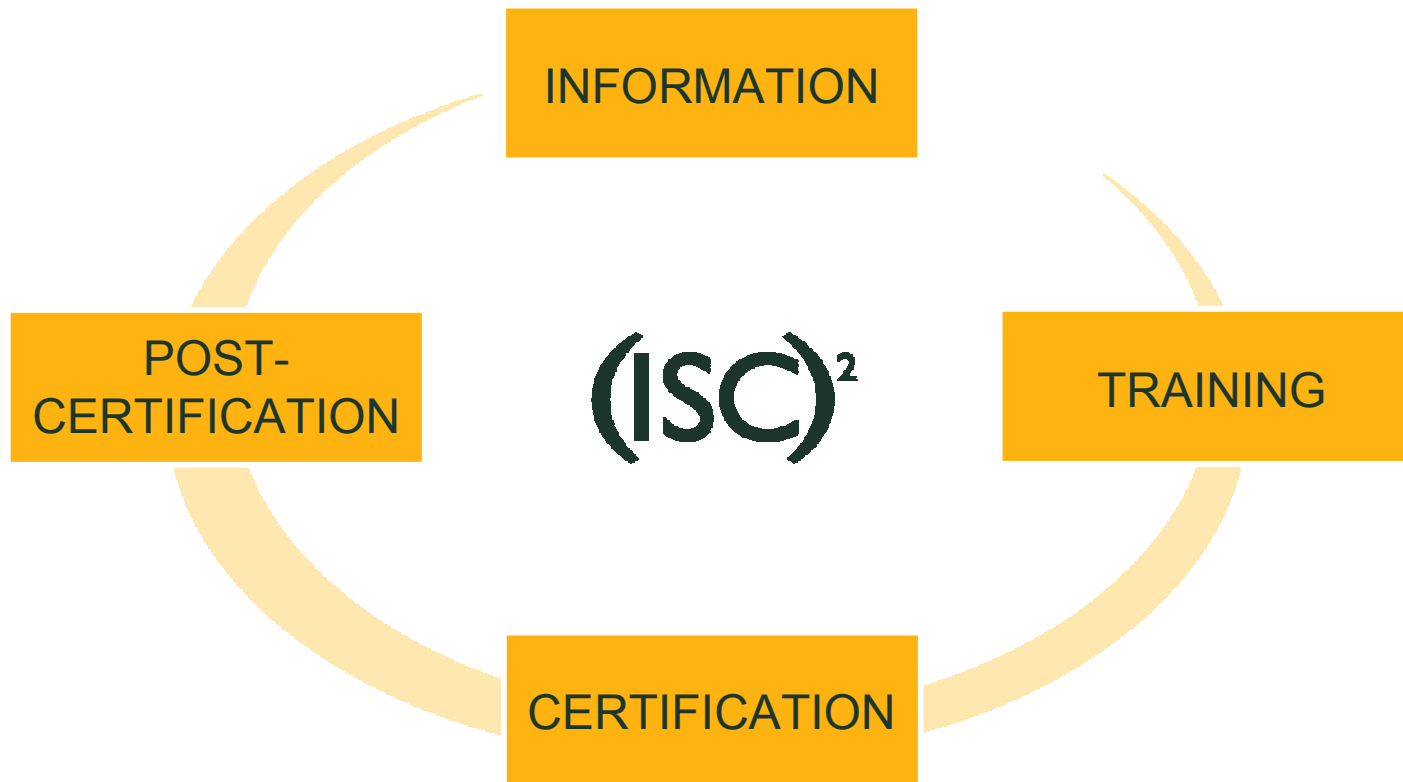
# **(ISC)<sup>2</sup> Benefits of Certification**

- **Benefits to the ENTERPRISE**
  - **Knowledge of best practices**
  - **Solutions orientation, not product specialization**
  - **Broad understanding of information security**
  - **The rigor and regimen adds to credibility**
  - **A business and technology orientation to risk management**

# **(ISC)<sup>2</sup> Benefits of Certification**

- **Benefits to the PROFESSIONAL**
  - **Industry recognition**
  - **Career differentiator**
  - **Confirms knowledge of information security**
  - **Networking with global and domain experts**

# (ISC)<sup>2</sup> How Do We Work?



# **(ISC)<sup>2</sup> About Us**

- **Global Standard for Information Security**
- **Non-profit**
- **Established in 1989 to develop CBK, examination and training**
- **Board of top IS professionals**
- **Professionally managed**

# (ISC)<sup>2</sup> - Certifications



## Security Transcends Technology

**(ISC)<sup>2</sup> CISSP**

**CISSP<sup>®</sup>**

**Security Transcends Technology<sup>™</sup>**

# **(ISC)<sup>2</sup> CISSP CBK Domains**

- **Security Management Practices**
- **Law, Investigation & Ethics**
- **Physical Security**
- **Operations Security**
- **Business Continuity & Disaster Recovery Planning**

# **(ISC)<sup>2</sup> CISSP CBK Domains (Cont.)**

- **Computer, System & Security Architecture**
- **Access Control Systems & Methodology**
- **Cryptography**
- **Telecommunications & Network Security**
- **Application Program Security**



# **(ISC)<sup>2</sup> CISSP®**



- **Certified Information Systems Security Professional**
  - **Tailored for experienced information security professionals**
  - **Minimum four years cumulative experience in CBK domains**
  - **Undergraduate degree required for one year experience abatement**
  - **Subscribe to (ISC)<sup>2</sup> Code of Ethics**
  - **Certification maintained through continuing education**

# Certified Information Systems Security Engineering Professional (CISSEP)

- **Development of CISSEP is a partnership between NSA and (ISC)²**
- **CISSP is the gateway to the CISSEP**
- **CISSEP examination will test 4 additional domains**
- **Will be used as a qualification metric for NSA employees and contractors**
- **Will be of interest to other Federal Agencies**

(ISC)<sup>2</sup> SSCP

SSCP<sup>®</sup>

**Security Transcends Technology**

**(ISC)<sup>2</sup> SSCP<sup>®</sup>**



- **Systems Security Certified Practitioner**
  - **Tailored for systems and network security administration professionals**
  - **Minimum one year cumulative work experience in CBK domains**
  - **Subscribe to (ISC)<sup>2</sup> Code of Ethics**
  - **Certification maintained through continuing education**

# (ISC)<sup>2</sup> Questions and Answers



**Security Transcends Technology**